

Submit within 45 days of well completion	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505	Revised November 6, 2013
		1. WELL API NO: 30-025-42257
		2. Well Name: RAGIN CAJUN 12 FEDERAL #003H
		3. Well Number: 003H
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment	4. Surface Hole Location: Unit: M Lot: M Section: 12 Township: 26S Range: 34E Feet from: 10 N/S Line: S Feet from: 1085 E/W Line: W	
	5. Bottom Hole Location: Unit: M Lot: M Section: 12 Township: 26S Range: 34E Feet from: 10 N/S Line: S Feet from: 1085 E/W Line: W	
	6. Latitude: 32.0506091755316 longitude: -103.428646837597	
	7. County: Lea	
8. Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP 333 W. Sheridan Avenue Oklahoma City 73102		9. OGRID: 6137
		10. Phone Number: 405-228-8588
11. Last Fracture Date: 6/21/2015 Frac Performed by: Schlumberger		12. Production Type: O
13. Pool Code(s): 97597		14. Gross Fractured Interval: Confidential
15. True Vertical Depth (TVD): 9,240 ft		16. Total Volume of Fluid Pumped: 28,592,965 gals
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed

19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:

Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Slickwater, HCl 15%, YF100FlexD	Schlumberger	Acid Corrosion Inhibitor, Surfactant, Acid Breaker, Gelling Agent, Crosslinker, Friction Reducer,	Water (Including Mix Water Supplied by Client)	NA	0%	84.83486%
			Quartz, Crystalline silica	14808-60-7	97.60475%	14.80189%
			Hydrochloric acid	7647-01-0	0.81626%	0.12379%
			Guar gum	9000-30-0	0.634%	0.09615%
			Boronatrocacite	1319-33-1	0.27909%	0.04232%
			Ethylene Glycol	107-21-1	0.16158%	0.0245%
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1	0.14687%	0.02227%
			Diammonium peroxodisulphate	7727-54-0	0.09028%	0.01369%
			Polyethylene glycol monohexyl ether	31726-34-8	0.06841%	0.01037%
			Ammonium sulfate	7783-20-2	0.0544%	0.00825%
			Sodium hydroxide	1310-73-2	0.04538%	0.00688%
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.04015%	0.00609%
			Sodium tetraborate	1330-43-4	0.0235%	0.00356%
			Boric acid	10043-35-3	0.00734%	0.00111%
			Fumaric acid	110-17-8	0.00734%	0.00111%
			Monosodium fumarate	7704-73-6	0.00734%	0.00111%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.00516%	0.00078%
			Propan-2-ol	67-63-0	0.00464%	0.0007%
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.0043%	0.00065%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00285%	0.00043%
			Urea	57-13-6	0.00264%	0.0004%
			Sodium erythorbate	6381-77-7	0.00249%	0.00038%
			Non-crystalline silica (impurity)	7631-88-9	0.00214%	0.00032%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00159%	0.00024%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00132%	0.0002%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00089%	0.00013%
			Sodium sulfate	7757-82-6	0.00062%	9E-05%
			Cinnamaldehyde	104-55-2	0.00058%	9E-05%
			Diutan gum	125005-87-0	0.00037%	6E-05%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00017%	3E-05%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00016%	2E-05%
			2-propanamid	79-06-1	0.00013%	2E-05%
			Dodecyl poly(oxyethylene) ether	9002-92-0	7E-05%	1E-05%
			Tetrasodium ethylenediaminetetraacetate	64-02-8	7E-05%	1E-05%
			poly(tetrafluoroethylene)	9002-84-0	7E-05%	1E-05%
Glycols, polyethylene, monotetradecyl ether	27306-79-2	5E-05%	1E-05%			
Dimethyl siloxanes and silicones	63148-62-9	4E-05%	1E-05%			
Siloxanes and silicones, dimethyl, reaction products with silica	67762-90-7	1E-05%	0%			
Octamethylcyclotetrasiloxane	556-67-2	0%	0%			
Decamethyl cyclopentasiloxane	541-02-6	0%	0%			
Dodecamethylcyclohexasiloxane	540-97-6	0%	0%			
Copper(II) sulfate	7758-98-7	0%	0%			

20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief.

Signature: Signed Electronically Printed Name: Rebecca Deal Title: Regulatory Professional

Date: 3/15/2016

E-mail Address: rebecca.deal@devon.com

NMOCD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.